AMENDMENTS TO THE CLAIMS:

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This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) An automated directory assistance system, comprising:

a speech recognition module configured to receive an audible request for a telephone number from a caller and generate a transcript from the audible request;

a listing retrieval module configured to retrieve <u>a</u> at least one listing corresponding to the audible request from a database, the listing retrieval module being configured to use the transcript as a query into the database, the database storing words previously included in requests for telephone numbers; and

an accept/reject module configured to determine whether to accept the <u>listing</u> listings retrieved by the listing retrieval module and present a telephone number corresponding to the accepted <u>listing</u> one or more listings to the caller, the listing being rejected unless the transcript contains at least one of the stored words.

- 2. (Original) The system of claim 1, wherein the speech recognition module includes a large vocabulary speech recognizer.
- 3. (Original) The system of claim 1, wherein the speech recognition module is configured to use acoustic models and an n-gram grammar to recognize at least one word included in the audible request.

4. (Original) The system of claim 1, wherein the listing retrieval module includes a statistical information retrieval system.

5. (Cancelled)

- 6. (Currently Amended) The system of claim 1, wherein the listing retrieval module is configured to rank <u>a plurality of</u> listings from the database when the listing retrieval module retrieves a plurality of the listings.
- 7. (Currently Amended) The system of claim 1, wherein the accept/reject module is configured to identify at least one word that is required for the listing each of the listings, determine whether the transcript contains the identified at least one required word, and accept the listing one of the listings when the transcript contains the identified at least one required word.
- 8. (Currently Amended) The system of claim 1, wherein the accept/reject module is further configured to transfer the audible request to a human operator when the accept/reject module does not accept the listing accepts none of the listings.
 - 9. (Original) The system of claim 1, further comprising:

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a training system configured to automatically configure the speech recognition

module, the listing retrieval module, and the accept/reject mode.

10. (Currently Amended) The system of claim 9, wherein the training system

includes:

an acoustic model training module configured to estimate acoustic models from

training transcripts relating to previous requests for the telephone numbers, the

telephone numbers including the telephone number corresponding to the listing; and

a speech grammar estimation module configured to create an n-gram grammar

for the telephone numbers, the speech recognition module using the acoustic models

and the n-gram grammar to generate the transcript from the audible request.

11. (Currently Amended) The system of claim 9, wherein the training system

includes:

a listings statistics estimation module configured to identify words used when

requesting the a particular telephone number, the listing retrieval module retrieving the

identified words for the telephone number using the transcript.

12. (Currently Amended) The system of claim 9, wherein the training system

includes:

a required words determination module configured to identify at least one word

that is required to request the a particular telephone number, the accept/reject module

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using the identified at least one required word to determine whether a corresponding-

one of the listings the listing is acceptable.

13. (Currently Amended) The system of claim 9, wherein the training system

includes:

a transcription module configured to automatically generate training transcripts

corresponding to previous prior requests for the telephone numbers, the telephone

numbers including the telephone number.

14. (Currently Amended) The system of claim 13, wherein the transcription

module includes:

a grammar creation component configured to create a loose grammar

corresponding to each of the telephone numbers, and

a speech recognition component configured to generate a training transcript for

one of the previous prior requests for the telephone numbers using the loose grammar.

15. (Original) The system of 14, wherein the transcription module further

includes:

an accept/reject component configured to determine whether the generated

training transcript is acceptable.

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16. (Original) The system of claim 15, wherein the transcription module further includes:

a verification/correction module configured to present the generated training transcript to a human for at least one of verification and modification.

17. (Currently Amended) A method for providing directory assistance, comprising:

receiving an audible request for a telephone number from a caller; generating a transcript from the audible request;

retrieving <u>a</u> at least one listing corresponding to the audible request from a database using the transcript as a query into the database, the database storing words previously included in requests for telephone numbers;

determining whether to accept one or more of the retrieved <u>listing</u>, the <u>listing</u> being rejected unless the transcript contains at least one of the stored words listings; and

presenting a telephone number corresponding to the accepted <u>listing</u> one or more <u>listings</u> to the caller.

18. (Currently Amended) The method of claim 17, comprising:
estimating acoustic models from speech and training relating to requests for the telephone numbers; and

creating an n-gram grammar for the telephone numbers.

- 19. (Original) The method of claim 18, wherein the generating includes: using the acoustic models and the grammar to recognize at least one word included in the audible request.
- 20. (Currently Amended) The method of claim 17, further comprising:

 identifying words relating to each of the a plurality of telephone numbers, the

 telephone numbers including the telephone number; and

 storing the words in the database.
- 21. (Original) The method of 20, wherein the retrieving includes:
 using the transcript as a query into database to retrieve the words relating to the telephone number.
- 22. (Currently Amended) The method of claim 17, wherein the retrieving includes:

retrieving a plurality of listings from the database, the listings corresponding to the audible request; and

ranking the plurality of listings from the database when a plurality of the listings are retrieved.

23. (Currently Amended) The method of claim 17, wherein the determining includes:

identifying at least one word that is required for the listing each of the listings, determining whether the transcript contains the identified at least one required word, and

accepting one of the retrieved <u>listing</u> listings when the transcript contains the identified at least one required word.

- 24. (Currently Amended) The method of claim 17, comprising:

 retrieving a plurality of listings corresponding to the audible request; and

 transferring the audible request to a human operator when none of the plurality of
 retrieved listings are accepted.
- 25. (Currently Amended) The method of claim 17, further comprising: automatically generating training transcripts corresponding to <u>previous prior</u> requests for <u>the</u> telephone numbers, the telephone numbers including the telephone number.
- 26. (Currently Amended) The method 25, wherein the automatically generating includes:

creating a loose grammar corresponding to each of the telephone numbers, and

generating a training transcript for one of the <u>previous</u> prior requests for one of the telephone numbers using the loose grammar.

27. (Original) The method of claim 26, wherein the automatically generating includes:

determining whether the generated transcript is acceptable.

28. (Original) The method of claim 27, wherein the automatically generating further includes:

presenting the transcript to a human for at least one of verification and modification.

29. (Currently Amended) A system for providing automated directory assistance, comprising:

means for receiving a request for a telephone number from a caller; means for generating a transcript from the request;

means for retrieving a listing corresponding to the request from a database using the transcript as a query into the database, the database storing words previously included in requests for telephone numbers, the query including matching the transcript to the stored words;

means for determining whether to accept the retrieved listing; and

means for presenting a telephone number corresponding to the accepted listing to the caller.

30. (Currently Amended) A computer-readable medium that stores instructions executable by at least one processor to perform a method for providing directory assistance, comprising:

recognizing at least one word in an audible request for a telephone number received from a caller;

generating a transcript from the audible request;

retrieving at least one listing corresponding to the audible request from a database using the transcript as a query into the database, the database storing words previously included in requests for telephone numbers, the query including matching the transcript to the stored words;

determining whether to accept one or more of the retrieved listings; and presenting a telephone number corresponding to the accepted one or more listings to the caller.

31-52. (Cancelled)

53. (Currently Amended) A method for providing a directory assistance service, comprising:

receiving a request for a telephone number from a caller, the request being spoken by the caller and including a location and listing corresponding to the telephone number;

using large vocabulary speech recognition to recognize at least one word spoken by the caller when making the request;

generating a transcript from the at least one word;

using statistical information retrieval and the transcript to identify a listing corresponding to the recognized word, including using the transcript as a query into a listings database, the listings database storing words previously included in requests for telephone numbers, the query including matching the transcript to the stored words;

determining whether the listing is likely to be correct; and providing a telephone number corresponding to the listing to the caller.

54. (Currently Amended) A method for providing a directory assistance service, comprising:

receiving a request for a telephone number from a caller, the request being spoken by caller and including a location and listing corresponding to the telephone number;

using large vocabulary speech recognition to recognize at least one word spoken by the caller when making the request;

generating a transcript from at least one word;

using statistical information retrieval and the transcript to identify a listing corresponding to the recognized word, the statistical information retrieval matching the transcript to words previously included in requests for telephone numbers; and connecting the caller to a called party corresponding to the listing.

55. (Currently Amended) A method of providing directory assistance, comprising:

defining a set of words or phrases associated with a listing;

defining at least one required word associated with the listing;

receiving a request for a telephone number from a caller;

using speech recognition to generate a transcript from the audible request;

using the transcript to identify the listing as a potential match to the request, the

listing being identified by using the transcript as a query into a database containing the

set of words or phrases associated with the listing, the set of words or phrases

associated with the listing being previously included in requests for telephone numbers;

determining whether the transcript includes the at least one required word associated with the listing;

accepting the listing when it is that the transcript includes a match for at least one of the at least one required word; and

rejecting the listing when it is determined that the transcript does not include a match for at one of the at least one required word.